

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (previously presented) The method according to claim 15 wherein the arachidonic acid (ARA) is in an edible formulation in an amount adapted to deliver a dosage of from 150 mg to 1 g/day ARA.
2. (previously presented) The method according to claim 1 where the formulation is adapted to deliver from 250 to 500 mg/day ARA.
3. (previously presented) The method according to claim 1 which additionally comprises delivering docosahexaenoic acid (DHA) to the mammal.
4. (previously presented) The method according to claim 3 which comprises administering from 400 to 600 mg/day DHA.
5. (canceled)
6. (previously presented) The method according to claim 1 wherein the edible formulation comprises from 150 to 700 mg ARA and is intended to be ingested once per day.
7. (previously presented) The method according to claim 1 wherein the edible formulation comprising from 75 to 350 mg ARA and is intended to be ingested twice per day.
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)

13. (canceled)
14. (canceled)
15. (previously presented) The method of providing a dietary or nutritional supplement to a non-human mammal which is pregnant or lactating, the method comprising administering microbial ARA in said supplement to the mammal.
16. (canceled)
17. (canceled)
18. (currently amended) A method of promoting lactation ~~and/or reproductive efficiency or success, or fertility~~ in a non-human female mammal, the method comprising orally administering microbial ARA to the mammal.
19. (previously presented) The method according to claim 3 wherein the ARA and DHA are at an ARA:DHA ratio that increases the ARA level in blood.
20. (previously presented) The method according to claim 19 wherein the ratio of ARA:DHA is from 1:5 to 5:1.
21. (previously presented) The method according to claim 19 wherein the ratio of ARA:DHA is from 1:1 to 1:2.
22. (canceled)
23. (canceled)
24. (canceled)
25. (previously presented) The method of claim 19 wherein the ratio of ARA:DHA is from 2:1 to 1:3.
26. (previously presented) The method of providing a dietary or nutritional supplement to a non-human mammal which is pregnant or lactating, wherein the administration of the ARA assists in the prophylaxis, prevention, amelioration or treatment of a disease or condition associated with an abnormal or low level of an n3 or n6 PUFA in the blood, the method comprising orally administering microbial ARA in said supplement to the mammal.

27. (currently amended) A method of promoting lactation ~~and/or reproductive efficiency or success, or fertility~~ in a non-human female mammal, wherein the administration of the ARA assists in the prophylaxis, prevention, amelioration or treatment of a disease or condition associated with an abnormal or low level of an n3 or n6 PUFA in the blood, the method comprising orally administering microbial ARA to the mammal.

28. (currently amended) A method of promoting lactation ~~and/or reproductive efficiency or success, or fertility~~ in a non-human female mammal wherein the mammal is in need or promotion of lactation ~~or reproductive efficiency or success, or fertility~~ and where such conditions may be at least ameliorated by the administration of microbial ARA, the method comprising orally administering microbial ARA to the mammal.

29. (new) The method of providing a dietary or nutritional supplement to a non-human mammal which is pregnant or lactating, wherein the administration of the ARA assists in the prophylaxis, prevention, amelioration or treatment of a disease or condition associated with an abnormal or low level of ARA in the blood, the method comprising orally administering microbial ARA in said supplement to the mammal.

30. (new) A method of promoting lactation in a non-human female mammal, wherein the administration of the ARA assists in the prophylaxis, prevention, amelioration or treatment of a disease or condition associated with an abnormal or low level of ARA in the blood, the method comprising orally administering microbial ARA to the mammal.